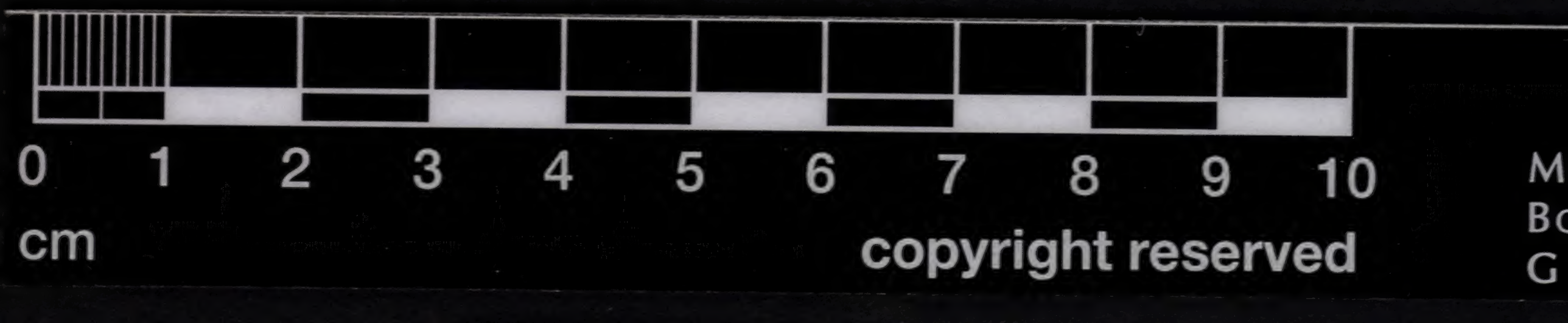
Rec'd Jan 5th 1852
Ans Feb 20

Engelmann

Have the x glass Diggram. — I can't
make a distinct species of. Vide
proof I will soon send you.
= also H. alveolatum. Shuttleworth. Key West
No. 27. Chagres. Fendl =
Tetracera rhamnifolia Pers
No. 364. "Zizyphus lyciodes." is not
mine: and I see not why yours
is not Z. obtusifolia. like Linden
5-88. —



MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN HERBARIUM

Darcy is now here, on a visit.

Darcy is to be here to-morrow.

I shall have some sheets of N. Hesperidearum for you very soon — 2 are printed off.

A Merry Christmas to you.

E. Gray

Engelmann.

Your "Desmodium rhetaphyllum. n. sp." must have another name, as there is a good species of DeCandolle's so called, ex Benth.

Call yours D. Nuttallianum.

Lindh. no. 449. is I think a state of D. viridiflorum - but very large fruit.

Lindh. no 473 a. & b. = D. paniculatum

" 432. " not Acacia Farnesiana var.

it is A. Cavenia. - which is hardly to be well distinguished. Benth. so names in DeCandolle's Prodr.

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Neu Freiburg 9th
Ans. Febr 20th

Janr. 29. 1852. Bamberg &c.

My Dear Engelmann.

I have left your letter of Dec. 13. too long unanswered. but have been very busy indeed. When your letter came both Torrey & Gray were here on a visit. They spoke much of you, and Torrey said he should write you very soon. to thank you for the plants sent by Reichl. &c —

I have now got the Nightcaps wound up as far as Saxifrageæ collations & the novelties of Wrights very interesting coll. of 1851. which I think I have a right to use in this way, notwithstanding Gr. Gray's instructions, and the printer is nearly up, my last proof being in Dicranaceæ. which I have had to work at a good deal, notwithstanding Bentham's notes.

I will soon send you more sheets. Linum was printed before your notes on L. Cruciatum came.

If your notes on Bacteæ do not arrive soon. I will pass them with a note that you will give hereafter — at the end? a full account when you get more materials. —

Wright spoke of a collection of seeds he had sent by a private hand. I have not received them.

In March 1857 Collection are some good specimens of bark — sliced or skinned and pretty well managed.

They consist of —

1. Four Opuntia fruticosus — some with thick, some with long spines.
2. Opuntia — with ~~flat~~ orbicular flat joints, of which I enclose a pad (no. 1) Joints 4–6 inches wide.
3. Opuntia — large flat joints & long spines only. (pagem. no. 2.)
4. Mammillaria ? a little of it, of which no. 3 is one of the teats, & a withered flower
5. Cereus ! no. 4. have it living.
6. " ! no. 5 (a little only)
7. " 10 stems of a slender tall Cereus.
8. Echinocactus Linkii ? no. (no. 6)
9. Cereus ! all marked up. (seeds &c. no. 7)

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Parsons

Echinocactus V no. 8.

" Cereus Cactilostus no no. 9 no perhaps viridiflorus

I a more prickly one which was in Wisliceni former collection.

12. A great - rooted, low, caespitose, ~~rooted~~ jointed Opuntia. (no 10)

TANICAL GARDEN
GELMANN PAPERS

That is all. Will they be worth sending by Express?

I have put to your credit
) $8. for Lindheimers seed & last spring.

Parry is with Engm. Wright has written you, I think. He is to stay with Engm - & to be a pensioner all winter.

I am all alone - My wife - who is very well & strong is up in the country, ~~along~~ on account of the death of a venerable great - aunt. ——

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GARDE

I am describing a pretty new
Philadelphus. with leaves & ~~flowers~~ petals
only 3–5 lines long, silky-canes=
cent underneath. Then I prepare
Fendlera, ~~with~~ of which I have
a good figure made=

Ever Yours.

A. Gray

I expect soon for Buckman
names of many of Fendlers sheets
plants.

A.G.

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/Webb/ Wright /45·30/ 9-9-0

/do/ Lindheimer /36-00/ 7-8-6

(/Boissier/ do /28-00/ 5-3-6)

22·1·

Comm 10% 2-4·

19·17·0

Forge my Le Conte
Chapman

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Engelmann Lb. 23/52

I carefully keep your flowering bit of Hendlera, ready to return it, if Lindheimer does not get more, as I trust he will. It is the most interesting of N. American Genera — between Deutzia & Philadelphus, & shows plainly that both are Saxi-fragaceous.

326. Linth. 1850 = Exisem quercifolium
346 " " = E. tenue.
391 " " = Solidago Radula B. Mss.
(S. rotundifolia. DC.! S. Acalephae. Torr. & Gr.!)
356 = Chrysopsis canescens; non pilosa.

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Rec'd March 4th
Ans July 27

Botanic Garden - Cambridge

46. 28 - 52

My dear Dr. Engelmann,

The letter from Wright enclosing the seeds that were to be sent, only reached me a short time ago, though the letter was dated July 14 - It came by private hand

There were only a very few seeds & I have taken out all that were of Cacti & herewith enclose them to you -

Yours very truly,

A. Gray

No news from you yet. -
I am pressed in with the Ms. Mscr. -

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GEORGE ENGELMANN PAPERS

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Rec'd May 24th
Ans July 27

Cambridge 17 May, 1882

Dear Engelmann.

After a long delay the plates of Pl. Wrightiana are done. and I send you a parcel by Express containing 2 copies. and the ~~sheets~~ plates to complete the copy sent in sheets. Please to send one to Lindheimer.

We are rather short for extra-copies, or I would send you more.

I will send one to Gisebach — in Göttingen — with whatever else I have.

The parcel which I despatch to-day per Adams' Express contains Pl. Wright. as above.

Asclepiadeæ; Cuscutineæ & Lorauthaceæ of Wrights coll. 1851. (1st part) (The 2nd has not reached me yet; but must soon.)

Such Asclepiadeæ from my herb. as could be of any use to you: not many, nor important.

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IN PAPERS

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and a few scattering plants.

I am greatly pressed by College & Garden work. just now.

P.S. If you can work up the Asclepiadeæ fully, they had best be printed in a separate small article. If more briefly, they might come in to 2nd part of M. Miscellaneous.

and Magnie could copy your drawings on to the stone. —

Again. has got back here, she says he is not very well.

I suppose you are working up the Cucurbitaceæ.

I find 2 new species described in a late part of Bentham's Misc. Plantæ Botanicæ. I will have the descr. copied out for you. &

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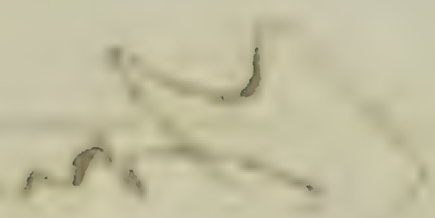
sent on. —

On 1st July I mean to set about continuation of Flora & the N. Mx. Fundl. Lindh. ch. — pari passu.

Yours ever

A. Gray

MISSOURI BOTANICAL
GEORGE ENGELMANN



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Rec^d March 19th
Ans July 27th

Cambridge 5 March. 1852

My Dear Decker

I received yesterday your of the 21st Feb. I am working hard to get through Asarta Nightiana before I get well absorbed in college duties, which begin next week. It is all in hand up to Asclepiadeæ - and 100 pages printed. If the rest of Decker reaches me within 2 weeks I can append it. If not, you had best work up all your matters in that family in a little memoir.

It must be some time before I print the Asclepiadeæ of N. Might. Fendl. &c— for you had best work up a paper on Asclepiadeæ, with figures of the flowers &c and I can have it printed as a separate memoir, and have Sprague put the drawings directly on stone. I want you, I am confident; specimens of all Mightis Asclepiadeæ, as well as Cuscuteæ, & Thwaitesia* Muradendra. But when I send the rest of N. Nightiana - I will send also anything in Mightis last collections. I am daily expecting additional packages from Might, brought / ~~sent~~ by Col. Graham himself. Shall I send at the same time all my material in Asclepiadeæ? Perhaps it will be best; though I do not think I have much that you have not. Yet there may be something. I have not before seen the plant you enclose from Lindheimer. It strikes me that it is a Styrax.

It is quite useless to expect determinations from Hooker. He is too busy. I left the Catalogue of Fendlers Oregon plants with Bentham. to whom I gave the set of the plants the next better than my own. I expect the determinations he gave in a late letter. He will finally return the Catalogue. Seemann is to publish the plants of his voyage. - many were gathered at Panama. - He works at Hookers. & I hope will name many of Fendlers &c. Bentha. does his Leguminosæ - & will then name the new ones of that family, no doubt. Agassiz is still South, but is as far back as Washington now - where he gives some lectures - will be here in a month, I suppose. I will see that you have in Mightis plants. if I get leave to distribute them as I presume I may. You will have got all the Cactus seed Might sent enclosed in my last letter. I will send a complete copy of N. Am. to you for Lindheimer, also to Fendler &c

Yours ever
A. Gray

* I have reason to think that Muradendra = Thwaitesia. (Ceylon) AG

Bentham, in letter of Feb. 4. sends this

"Dicliptera Sandlei Chapes plants, in my set"

"

" 2 Spermacoce
5. Scoparia dulcis — Scrophul. vernicosae Ent 3973
6 Vismia .. sp. n. — Hypericineae 5466
7 — Mexicana. Cham. & Schlecht. "
8 — macrophylla H.B.K. "
18 Sida canescens Bar.
24 Byrsonima verbenaefolia, Rich. — Malpighiaceae 5592
26 Davilla rugosa. — Dilleniaceae 4763
27 Tetracera volubilis — Dilleniaceae 4765
28 Miconia — Melastomaceae 6258
29 — thamnifolia Bonpl. (Forsgr.)
30 — I wait to
32 — examine these
33 Blidenia — till Standley's
34 ? — Melastom 6229 papers are
35 ? — finished.
37 ?
38 Ossaea — Melastomaceae 6242
43 Serjania — Sapindaceae 5600
44 —
45 —
47 Stigmaphyllon — Malpighiaceae 5581
48 Heteropterys? — Malpigh 5575
49 Brachypterys borealis. Juss. — Malpigh. 5582
50 Doliocarpus — Dilleniaceae 4761
51 Luga sp. n. (Celastr)
53 Hippocratea elliptica. H.B.K. — Hippocrateaceae 5700
54 Nectandra? — Lauraceae 2044
55 Polygala paniculata. L.
59 Psychotria — Rubiaceae 3147
60 —
62 —
64 — ?
65 Paliconrea — Rubiaceae 3146
66 Rhychotria pharoides DC.
70 Centrosema Saltzmannii Benth.
71 Phaseolus Trinitatis var. glabratus
72 Rhynchosia
75 Pachyrhizus angulatus — Papilion 6679
78. Desmodium aff incanum sed distinct.
79 Stenolobium brachycarpum — Bignoniaceae 4124
var. brachystachyum
80 Canavalia obtusifolia. — Papilion 6663
83 Diodea. sp. n. — Rubiaceae 6662
84 Desmodium triflorum DC.
85 Cassia occidentalis
86 — viminea var?
87 Pithecolobium sp. nov.? — mimos 6837
90 Cassia pubescens. H.B.K.
91. Mimosa Velloziana. Mart.
92 Cassia ~~obtusifolia~~ obtusifolia.
93. Guttifera — 5392 etc
95. Cassia reticulata. Willd.
96. Mimosa pudica
98 — asperata.
99. Rhynchosia ciliata. Vogel

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105 Myrtus S. Ngni 5316
106 Lasia sp. n.? Pistiaceae 5071
107 Rhopalocalanus ellipticus Schlecht. var.? Compositae 6407
108 Gonania corylifolia Radlk. 5746 Rhamnaceae
109 Microtea debilis Phytolaccaceae 5260
110 ~~Patabea~~ Patabea? Rubiaceae 3142
113 Pleurostyra n. sp. ?
115 Justicia J. affini proxima.
117 Paullinia foetida.
118 Jacsonia sanguinea Sk.? Passifloreae 5161
121 Paullinia sp. n. aff. P. stipitata.
122 — (Athroisma) sp. n.
123 Melotheria?
126 Angunia, an A. Mackayana? Cucurbit 5128
127 Rourea Mongifolia. H. Leben. (Rousseaceae ÷ Connaraceae ÷ Leguminosae Saxifragaceae)
128 Connarus Rourea = Connarus Rhizophoraceae affinis Connaraceae 5349
130 Cordia Peruviana D. Mexicana. Sk.? Cordiaceae 3738 near Asperifoliae
131 Hedera arborea, DC.
132 Erythrina fatidissima.
135 Viscum (Rhoradendron)
136 — — Rubiaceae 3167
138 Rhinocacca racemosa, var. ovata?
139 Randia obovata. Rubiaceae 3304
141 Spondias aff. lutea. Anacardiaceae sp. 5920
144 Borreria spinosa Sk. Sol. 3120 Rubiaceae
145. Spermacoce tenuior
146 Diodia scandens
148 Morinda Rubiaceae 7183
149. Spermacoce verticillata, Aund. Melastomataceae 6195

177. Cephaelis tomentosa Rubiaceae 3140
179 Coccocypselum aff. C. repens Rubiaceae 3191
180 Salicea. sp. n. Rubiaceae 3224
181 — sp. n.
182 Eugenia Myrtaceae 6323
184 Tabernaemontana? Apocynaceae 3396
185. Bascania (Pipaca) Sarmyaceae 5060
186 — (Crotonia) aff C. sylvestris Euphorbiaceae 6327
187 Gustavia Lecythidaceae 6404
191 Bassiparea elliptica Rhizophoreae spp 6404
192 Bascania Sarmyaceae 5060
193. Erythroxylon Erythroxylaceae 5579
194 Hilaconitia. sp. n.? Dioscoreae 5079
195. Bertiera Solanaceae
196. Monimiacea aff Citrosma Monimiaceae 2017 (Tryoni)
197. Solanum
200 Blechum Turckii. Mart C. Acanthaceae 4091
207 Macfadyenia
209 Aphelandra Sinclairiana Acanthaceae 4074
211 Herpestis scrophulariflora
213 — Chamaedryoides var. latifolia
215. Stemodia parviflora 3926 Scrophul
216 — sp. n.?
217 Herpestis Monniera
219 Stachytarpheta Jamaicensis 3685 Verben
220 Lippia geminata 3684 Verben
221 Herpestis verticillata
225 Blechum? Acanth 4091
226. Herpestis guineata B. robusta
228 Rhytidophora aff R. decumbens Acanth 4084

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Remit A.B.

230 Oxyanthus micranthus
231 Hyptis capitata
232 Tournefortia laevigata Asperifol 3747
234 Tabernaemontana grandiflora Apocyn 3396
236 Strydnea spinosa
237 Aniseia 1880 Convolvul
238 Manettia cuspidata Rubiac 3286
239 Ipomaea pes-capræ
240 Batatas acetosæfolia
241 Ipomaea umbellata
248 Physalis
250 Stamadictyon sp. nov. 3424 Apocynac
251 Solanum
252 —
253 —
254 —
255 Moringa. M. Scandentis similis Papilion 6811
264 Pothomorphe peltata. Mig. Pipers 1820 d x
266. Artanthe Pipers 1820 f x
268 —
269 —
270 —
274 Euphorbia filicifera.
275 — hypericifolia.
276 — (Chamaesyce) —
277 — hypericifolia
278 — (Chamaesyce) —
279 Dalechampia heterophylla 5768 Euphorb
281 Acalypha leptostachya. HBK.?
282 Lacistema Lacistem 1907 (Additions)

285. Ficus 1859 Moraceae
286 Ficus
287 Coccoloba uvifera Polygonac 1990
289. Gen. nov. Cinchonis Rondeletiisque affinis 3263 Rubiac
290 Bitteracanthus 3706 Verben
291 Ruyschia 5359 Marcgraviac (Hypes)
292 Croton
293 Posoqueria 3309 Rubiac
295. Blakea sp. n.? 626 Melastomac
296. Bignoniacea?
297 Begonia humilis 5153 Cultivated Begoniac Pipers 1820
302 Peperomia pellucida
304 Quassia amara. var. grandiflora. Simaroubac 5962
305. Dolichocarpus 3761 Leguminosae
307 Cochlospermum Tetrastemmac 5405 Bixaceae
308. Anacardium occidentale. Anacardiac 5917
310 Pachira 5298 Sterculiac (Malv)
312 —
314 Ardisia Myrsinac 4222
316 Mouriria Guianensis Melastomac 5440
317 Ternstroemia dimorphophylla. Ternstr. 5409
318 Samydearum gen. nov.? Samyd. 5059
326 Apeiba
328. Bixa Orellana var. Tiliaceae 5764 Bixaceae 5061
330 Drepanocarpus. Papilion 6709

Banthams add that he has sent specimens named the Compositae & that I have perhaps named the Compositae & he has not gone through them yet.

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Rec: Aug 5th
Ans Sept 1st

Cambridge 28th July 1852

Dear Englemann

I am worked almost to distraction. But College-work is now over, and I can get on with fewer irons in the fire.

I fear you are driven up hard also — by the sickly season, and cholera! I hope you may be able to give up practice by-and-bye. —

I have St. Pursh. XII. part 1. — Solanaceæ apparently not particularly well done — nor Plantagineæ either.

I have had for a good while a misunderstanding with Capt. Wilkes about my work for Expl. Exped. Botany. It is now made up. I think, or nearly, but I have had no pay from them for a long while, and they are a year behind in paying. I have got two of several families all ready for the press, and some fine drawings. I am just now working up N. Mex. 1851. coll. up to end of Campanulæ, old stopping place — but must dash beyond that soon.

A bactus. I suppose Echinocactus ~~Lindheimeri~~ has just flowered here. — the most handsome I know — fine rose color petals. I got Sprague to make a sketch, which I now enclose to you. Send it back when you are done with it. A smaller outer series of stamens are adnate to tube of perianth up to its very top: long above the others. Is this common?

It is a beauty.

I have plenty of Cupheas up

of Wright's coll. —

I learn that Nym. &c.

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is himself to do the ~~Cactaceae~~ Cupressaceae for the Pinetorum. What is your C. communata? American C. Peplus? Distt. from European? Strangely I do not find that I have any European C. Peplus.

Ever Yours faithfully

A. Gray

Torrey has gone down to St. Johns, New Brunswick, on business, about coal. I expect him back soon, when he will be 2 or 3 days with me.

A.G.

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with from South Brazil

The Cactus is certainly an Echinopsis; probably Echinopsis multiplex Juss. see Figure Bot. Magazine t. 3789
perhaps E. oxygona Juss. Bot reg. t. 1717
E. Eyriesii Juss. Bot reg 1707 Bot reg. 3411
flowers of the here
night flowering!

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Rec'd Sept 1st
Ans same day Bambridge Aug. 25th 1852

My Dear Engelmann

Your favor of the 14th & 27th July was truly welcome — it was so long since I had heard from you. Shortly after its arrival I took a little run, for recreation, with wife & aunt, to the White Mts. of New Hampshire, collected only some live plants for the garden, — and came home via the Connecticut River, a few days ago. I am hard at work at Wrights 2d coll. of 1851, which is full of novelty. Wright is on his way hither, with his coll. of the present year, and by this time he is probably at St. Louis, — where you can make any needful arrangements with him about Cactei &—

I shall remember you in distributing Wrights plants, for the things you most need. But the specimens gathered are seldom numerous, and there is frequent set, mine, Torrey's, Lindley's, that's also have little liberally advised to W., & Wright wants a set himself: and I want Short & Gray must have peculiar novelties. — Any new Cacta I should like a specimen of for our green-house — and Short would like a full set, & will pay well for them.

I had delayed writing a little, till Dr. Dries should make his appearance, with the packages & funds you sent & the plants of Lindheimer 1851. But Dr. Dries has not come! Where is he?

The day your letter came I provided the

MSS. on bracteæ to Silliman: but scarcely answer that the no. for Sept. was already printed, all but the final notices. for it must go into the next no. — and you might send anything additional, which I will see to, when I read the proofs —

It will be convenient if you will arrange your MSS. after the mode I regularly adopt. viz. species in small caps; and authorities in italic.

And I think my plan of punctuation in specific characters the best one — better than the English & old Linnæan use of only commas separating the principal clauses, and also than the German mode of separating every adjective by a comma. I use the comma for subdivisions of characters from the same organ! as —

" foliis pinnatis valde acuminatis, imis cordatis glabratis, floralibus linearibus; racemis paniculatis densiflois; bracteolis subulatis. etc —

We have raised a number of bracts from seeds, but doubtless none that you have not. What was the very handsome one I sent you a drawing of in my last letter?

I find that I had unfortunately referred Dr. Boggs's no 44 (which I have very poor) & 5-27 to Mendoza & calva. I have had your MSS. with the specimens to revise. I will take up the genus

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when Wights coming collection arrives. It may
solve the doubts. Wights specimens of M.
Scabra are all young and vigorous, when old &
branchy, or stunted in the dry season, it may
take on various forms. I think it prudent
to wait a little for more material.

I send copy of A. Wightiana to
Hendon. with pleasure. It costs 5r cats
to send it by mail! I had been waiting for
the change in the P. O. law. to send many.

Have you the new vol. of Debandolle?
The 1st part of Joe Hookers Flora of N. Zealand is out
I have at length settled my difficulties with
Capt. Nelles and must soon be absorbed in
Expl. Expd. Botany. & push it on!

I have that great Datura in flower. for the
2d year. It could be D. Meteloides from the
want of villous pubescence, the only teeth to the calyx.
and the larger calyx tube. It is either D. meteloides
founded on a drawing (the size reduced?) or new.
It is very showy. I have the Arizona (or the
tuberosum group) growing. but not yet flowered.
Also cord dried specimens.

I must stop. and go and describe a
new genus of Cucurbitaceæ of the tribe Sicyoideæ
from Wights coll. - also growing in the Garden.
- Yours ever truly

A. Gray

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Rec'd Octob 15th
Ans Nov 10 Cambridge. Oct. 5th 1852.

Dear Engelmann.

I will add a small shut to Wright's enclosure. He has no doubt told you of our sending yesterday by Express a small package of his Cacteæ & Gusentina

I have an Asset of Echinopsis, which will ere long be ready to send to you. The flowers are diurnal.

Lobt. R. Graminaticæ - shd have been published long ago - Smith= sonian. It consists of 10 new Hemenitian genera - figured - and a separate little paper on Bates. - & a separate char. & figure of the new Darlingtonia &c. &c. a new Sarracenia from California -

Wright is amending you in the dis= tribution of his plants, as good a set as he can (excluding most that I am sure you do not want). But his specimens are not so numerous as before - they run pretty short, usually.

I have not got any Euphorbia Peplus, of Europe: singularly enough no one sends it. Can you send me an European specimen.

I wish you would go on, and Monograph Euphorbia Hum. Supt. - Send me your

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MSS. & I will have it printed as soon as I get it. in some sort form. The former the latter. Alph. DC. is himself to do the Euphorbiaceae.

Lowell owned like the fine bracteae no doubt. She will be home soon.

The Datura is annual. I have little doubt a new species.

I must pour have out a little paper on Asclepiadeae.

I have written to England for pictures of Fendler plants — & more names.

Schedule I think is planned — perhaps by the ungracious remarks I let drop in St. Louis.

I should like to see that Physalis.

I am about to print St. Mgt. part 2. viz. Coll. 4 1851 ÷ 2 up to the end of Compositae If you want the bracteae in. please send your mss.

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A. You may have 6 weeks from receipt of this. & write as fully as you please: and I will put it in at the end as an Appendix, under your name.—

I am much interested

Enclosed is the memorandum lately found, handed me by Steward, which contains the Boissier item. Can you make out anything? The price given ($25.) will indicate to you perhaps the number of the set. Is it a 2nd set he had?

If you say so. I will at once pay over to you the amount

In haste

Yours faithfully

A. Gray

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5 Young Street
Kensington
4th Oct 1852

My Dear Dr Gray

I have had

no application either

for Sandstein or Lindheimer

specimens ~~that you left~~

with me viz. two of

Sandstein and one of

Lindheimer, will you

let me know what I

had better do with them.

We have had a most

DEN
ERS

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searching summon the
Thermometer one day
stood at 99° Fahr. what
think you of that for
England. We have had
lately some very wet
and sharp weather,
Dr Hooker with Dr
Thomson and Flower
have just returned
from a tour in
Scotland, you
possibly may have
heard of the death

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I have D.D. Lemoine,
he has left his col:
=lection & Cambridge
University, it was a very
serious one and very
generally noticed
by every person of
consequence & Mrs Gray,
must believe me
Yours very truly
Robt Heward

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I write at the same time to Stevens, — have no answer yet from him.

A. G.

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GEORGE ENGELMANN PAPERS

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Rec'd Dec 1st
Ans'd Dec 3d & 14th

Cambridge 20th Nov. 1852.

Dear Engelmann.

Thanks for your favor of Nov. 12. to-day received!

It reminds me that I should have sooner despatched to you a bundle, ready for 10 or 20 days past, containing

1 Set of dried Specimens of Mr Potts Cacteæ of 1852 — also of 1851 — (of which portions were sent by mail) — in a parcel, consisting of what could be furnished you — ~~the~~ (omitting many that I knew you could not want) of Mr Potts's coll. of 1851-2 — up to the end of Compositæ — as far as yet distributed — amounting to say in all 400 species

I have put up the package nice & strong & sent it to-day, by Adams' Express. —

I have got about 20 pages of the

Near St. Wright. Printed —
and am going on pretty well.
I am hard at work at Euph.
Euphorb. & in a great hurry —

I enclose to Wright what
was for him. He is at Nottawasaga.
But he will be here again. —
Boundary commission being broken
up — he has accepted the place
of botanist in Ringgold's Surveying
Expedition to N. Pacific. Behring's
Straits & Sandwich Islands. — a
good field. — to sail in January.
Thanks for specimen of Euphorbia
Peplus. —

I thought I had sent a num.
with the specimens of Leucothoe
&c — Really I have forgotten quite
where they came from.

A few specimens of your paper in
Silliman I could use with advantage.
Torrey's paper not yet printed.
It is slow. & procrastinating.

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Botani
Gard

You shall have all Euphorbiaceæ
(we can get Irons to —) to work on.
And we must promptly send
specimens to Schaerdle, as
he is busily to work up that
family.

Datura. Solanum. Chaetocrea Lamarii
here, as you say with you.

I will write to St. Louis
for the parcel, which he has
not had the honesty to send
on to me.

Lucer fellow is Prince Paul.
I hope he will tell us how to
distinguish 40 Oaks in Illinois.

Yours very truly

A Gray

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Missouri Botanical Garden

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GEORGE ENGELMANN PA

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MISSO
BOTAN
GARD

Rec^d Jan 7/16
Ans Jan 11th 1883 Mrs 1882. Cambridge

My Dear Doctor

Well, we have at length got the rest of Wright's coll. distributed into sets, and W. has gone on to New York, to make his preparations for his voyage.

Now let us see about the principal points in your letters of Dec. 3. & 14 —

Wright has taken with him the mss. of Bactaceæ you sent, & which arrived yesterday. He will soon bring it back.

I have pl. Wright. in type up to Bactaceæ. & the printer now wishes to go on with it fast.

About Engm. & Bactaceæ. I think thus.

1. Your full account of Bactaceæ is so considerable that it ought in justice to make a paper by itself — and if Engm will furnish plates — & have it printed in his Report. very well — But then there will be trouble, perhaps with Graham, who has the control of the 1881 coll. Both I think should be satisfied, if you publish the full account as a paper in the Smithsonian.

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At any rate I think we should wait to ascertain: and by all means do nothing to dissatisfy Major Carey. who is likely to keep in that region, & get things another year. While Wright is done with that region and W. has no anxiety about it, on his own account.

Torrey too, writes me, that he has packed up the Cactaceæ you wanted, & has sent (or is to send) them to you by Express.

So let us append to my P.L. W. new printing a new abstract, naming Wright's Cactæ, which are wanted, — with new spec. char. of the new ones — & so as to secure priority, and if you please the new sketch of your arrangement, & Catalogue of species — This would not displease Carey, I am confident, while it will secure your results, & give you a chance to work up new materials coming to hand, to have illustrations. &—

If you approve this, send me the proper ~~addr~~ abstract at once — or if you send it for the latter part, I can make out for the 1st part from

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the MS. you have sent me already.

And I will mention that at a future accot. of the Cacteæ of the region, with characters & details will be published soon, in the manner I have suggested.

If the Party remain on the Rio Grande they will get many Cacteæ early the coming Spring.

I am pleased to hear they have Anthalonium.

I write you that I had at length got the parcels from Brooklyn left by Dies. but only after sending for them. Torrey is getting his. only now!

Torrey is often remiss about answering letters but he is ready to do all you wish. — He lays his letters aside & forgets. He has "too many irons in the fire", as the proverb goes.

Lo quieter Torrey,
Dec. 17.

The Cacti for Engelmann are all packed & I will send them to him by Express.

I can hardly advise about the plants for Howard's hands — to transfer them to the Centennial? to Brown? or Hochstetter?

Stevens does not answer my letter.

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Hence I conclude that he has made some sales: and I shall write him again.

Now about Miquel's plants promised to you. I have talked over the matter with him. He would be glad if he could make you a present of all his plants. But his sets are few, and these are largely absorbed in the 2 (or in 1862) 3 sets to ~~Hook~~ Government which are demanded, & the sets for Lowell, & Short, who paid in advance. So that little ready money is realized except from the sets to Hooker. ~~Hanbury~~ Harvey, Gray & Lindley. The conclusion is to say nothing about plants furnished hope - Specimens of bacillus bacteria - Biscuits - & Asclepiadeae I have sent you from time to time. But you can pay like the rest for the 400 Labels sent you. & the very good set of the Monopetalae — Hepatica Hilicas & first distributed (which being done by my own hands, W. merely putting in the tickets; are better selected - are made full as possible of what you want, - Asclep. Biscuit., Euphorbiaceae &c — and leaving out all I could that you do not need) —— the latter amounting to 439 sp. = 839 sp. at $10 per hundred = say $83.00 — a good round sum to pay, after all. But it is an important collection!

I receive for him. pay to aid him in his outfit.

Chapman is famous for never answering letters. Darby is the only man that gets answers, & he is now in England.

Yours ever A. Gray

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P. S.

In your set of Wright's plants, I have added, by Wright's permission, all the Cuba, in their original sheets - a better collection than I have seen before - & more species. These we do not count - Take out what you need - when you examine & name them - take also for Prof. Braun anything you think he wants - - number your specimens. A - B. C. - & send me back some time the rest, with the nos. & tickets that accompany them - from which I can give you the localities. Make a report for Silliman's Journal, if you like.

I will retain your package for directions, as we may save the expense of Express by packing with a St. Louis Merchants' goods - perhaps. If you know of any purchasing in Boston.

A. G.

I have sent Lindheimer's seeds to Kew

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